

EXAMPLE WRITE UP

Team Members: Fred Rhick,

Step 1: Identify the problem

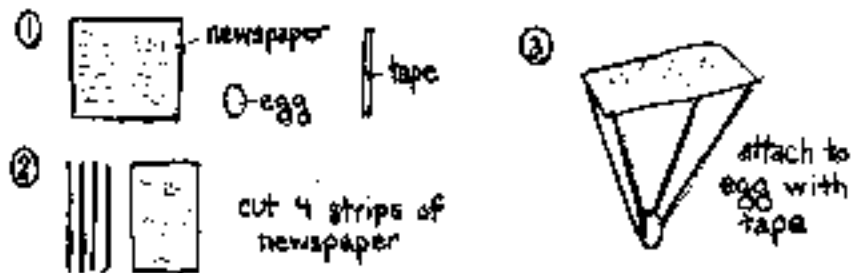
The problem in this situation is that I must design a device to protect an egg from a 3 meter drop using only one sheet of newspaper and one foot of tape.

Step 2: Background information

In class I learned that there are many ways to protect things from high impact situations. I researched seat belts, helmets, air bags, roll cages and parachutes. I learned that

Step 3: Hypothesis

I hypothesize that a parachute design will protect the egg from breaking in the fall. This design will have four long thin strips of paper attached to the remaining four corners of the newspaper and then to the egg.



Step 4: materials List

1 egg
1 foot of tape
1 sheet of newspaper

Step 5: Variables and Testing

The variables that will be controlled in this experiment are the height of the drop (3 meters), the egg, and the materials used.

The independent variable is the design of the parachute.

The dependent variable is whether or not the egg breaks.\

Step 6: Evaluation based on Data

My design was successful in protecting the egg. Other parachute designs were also successful. Other designs involving wrapping the egg in newspaper were, for the most part, not successful. The results of my classmates were as follows:

Parachutes		Wrapped in Newspaper	
Broken	Not Broken	Broken	Not Broken
2	6	5	1

Step 7: Conclusion

I conclude that the parachute is the best way to protect the egg from a fall. It had a far better success (eggs not broken) rate than the eggs wrapped in newspaper.

Step 8: Future Learning

In order to do a better drop next time, I would spend more time investigating different types of parachutes. There were many different parachute designs and I would like to know which ones would work best. I would also like to know if a making the parachute thicker works better for air resistance than making it bigger.